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12 July 1963

MEMORANDUM FOR: Chief, Dissemination Control Branch, DD/CR
FROM : Chief, Publications Staff, ORR
SUBJECT : Transmittal of Material

It is requested that the attached copies of CIA/RR EP 63-49,
USSR: Land Armaments Investment Value, Soviet Line Divisions,
8 July 1963, SECRET, be forwarded as follows:

<u>Copy No.</u>	<u>Recipient</u>
1 - 12	DIASA-2C Room 2C230 Pentagon Attn: [redacted] Estimates Office DIA Pentagon
13 - 14	Office of the Secretary of Defense Correspondence Control Section Room #3A948, Pentagon Attn: Mr. Jack Stockfisch OASD/Comptroller

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14 Attachments

ACTION COMPLETED

The documents contained in this memorandum have been completed.

BY: *AS*

Date: *Approved For Release 2002/07/31* CIA-RDP79T01049A002700170001-3

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GROUP 1
Excluded from automatic
downgrading and
declassification

S-E-C-R-E-T

USSR: LAND ARMAMENTS INVESTMENT VALUE, SOVIET LINE DIVISIONS

8 July 1963

CIA/RR EP 63-49
(ORR Project 50.3890a)

WARNING

This material contains information affecting the National Defense of the United States within the meaning of the espionage laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

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A. Discussion

The statistical tables which follow in this attachment are designed to illustrate the valuation which may be attached to the estimated tables of equipment of Type-63 Soviet motorized rifle and tank divisions. The quantities of ammunition are the basic loads for the respective divisions as shown in the Department of the Army, Project No. P3-12, Organization and Logistical Data on Soviet Ground Forces, 1 January 1963, adjusted for the Type-63 tables of equipment.

Caveat

The dollar unit costs are those used in the CIA/RR EP 63-46 and as applied here should be taken only as indicators of general price levels because they were designed primarily for use in the accumulation of values for measurement of over-all levels of Soviet military expenditures. The unit costs are intended to reflect the equivalent cost of production of items in the US (See op. cit. on Pricing Methodology, Paragraph B, Page I-2.)

B. Statistical Tables

For a more complete description of the items the reader is referred to such works as US Army Identification Handbook Soviet and Satellite Ordnance Equipment, Revised Edition, September, 1960, and US Army Catalog of Foreign Materiel, Volume 1. Combat Materiel, January 1963 (Secret) or their equivalent.

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Table 1

USSR: Estimated Dollar Value of Initial Investment
in Land Armaments for a Soviet
Motorized Rifle Division

		Thousand 1961 Dollars	
	<u>Number</u>	<u>Unit Cost a/</u>	<u>Value</u>
<u>Equipment</u>			
<u>AFV's</u>			
T-54	190	107.0	20,330
PT-76/BTR-50p/60p	65	64.7 b/	4,206
JSU-122/152	10	162.5	1,625
BTR-40	70	15.5	1,085
BTR-152	229	23.8	5,450
BRDM	76 c/	18.7	1,421
Total AFV's			<u>34,117</u>
<u>Field Artillery</u>			
57 mm - M43	18	16.1	290
85 mm AP D-48	18	20.1	362
100 mm M-55	18	29.1	524
122 mm How M-38	18	13.4	241
152 mm How	18	39.5	711
Total Field Artillery			<u>2,128</u>
<u>AA Artillery</u>			
14.5 mm - ZPU-2	40	13.0	520
14.5 mm - ZPU-4	20	28.1	562
57 mm - S-60	30	62.7	1,881
57 mm - ZSU-57-2	4	83.0	332
Total AA Artillery			<u>3,295</u>
<u>Mortars</u>			
82 mm - M43	27	1.26	34
120 mm - M43	18	4.72	85
160 mm - M53	18	8.82	159
Total Mortars			<u>278</u>
<u>Rocket Launchers</u>			
140 mm - BM-16	18	9.9	178
200 mm	2	9.7	19
Total Rocket Launchers			<u>197</u>

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Table 1 (Con't)

			Thousand 1961 Dollars
	<u>Number</u>	<u>Unit Cost a/</u>	<u>Value</u>
<u>Small Arms and Other Infantry Weapons</u>			
9 mm Stechkin Pistol	1,100	.06	66
7.62 Kalashnikov AK SMG	9,913	.10	991
7.62 RPK MG	375	.10	38
7.62 RP-46 MG	81	.59	48
7.62 SGM M43 MG	404	.60	242
12.7 mm MG	40	1.21	48
40 mm RPG-2 AT	438	.05	22
107 mm RGB-11 AT	18	7.23	130
Total Small Arms and Other Infantry Weapons			<u>1,585</u>
<u>Special Vehicles</u>			
Tank Retriever	19	107.0 d/	2,033
Mine Clearing Tank	3	107.0 d/	321
Bridge Laying Tank	6	107.0 d/	642
Amphib. MAV-69 (GAZ-46)	5	8.0	40
Amphib. ZIS-485 BAV	6	31.5	189
Amphib. K-61	12	43.7	524
Prime Mover AT-L	77	24.1	1,856
Prime Mover AT-S	31	34.8	1,079
Prime Mover AT-T	23	53.5	1,230
Total Special Vehicles			<u>7,914</u>
	<u>Short Tons</u>	<u>Cost/Short Ton</u>	<u>Value</u>
<u>Ammunition</u>			
Artillery	578	2.33	1,347
Mortar	65	2.35	153
Rocket	108	3.10	335
Recoilless	47	4.75	223
Small Arms	239	2.68	641
Total Ammunition			<u>2,699</u>
<u>TOTAL LAND ARMAMENTS</u>			
			<u>52,213</u>

- a. Unit cost includes initial spare parts.
- b. Because no estimate has been made of the cost of the BTR-60p, this vehicle was included with the PT-76/BTR-50p.
- c. For comparability this number includes the BRDM chassis (only) employed as vehicles for launching wire-guided missiles.
- d. In lieu of preparing a detailed unit cost for this item, the unit cost of T-54 medium tank was used.

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Table 2

USSR: Estimated Dollar Value of Initial Investment in
Land Armaments for a Soviet Tank Division

		Thousand 1961 Dollars	
	<u>Number</u>	<u>Unit Cost a/</u>	<u>Value</u>
<u>Equipment</u>			
<u>AFV's</u>			
T-54	229	107.0	24,503
T-10	95	174.6	16,587
PT-76/BTR-50p/60p	285	64.7 b/	18,440
JSU-122/152 mm	51	162.5	8,288
BTR-40	34	15.5	527
BTR-152	9	23.8	214
BRDM	75 c/	18.7	1,402
Total AFV's			69,961
<u>Field Artillery</u>			
57 mm - M43	6	16.1	97
85 mm AP D-48	6	20.1	121
122 mm How M-38	36	13.4	482
Total Field Artillery			700
<u>AA Artillery</u>			
14.5 mm ZPU-2	25	13.0	325
14.5 mm ZPU-4	6	28.1	169
57 mm S-60	24	62.7	1,505
57 mm - ZSU-57-2	20	83.0	1,660
Total AA Artillery			3,659
<u>Mortars</u>			
82 mm - M43	9	1.26	11
120 mm - M43	6	4.72	28
Total Mortars			39
<u>Rocket Launchers</u>			
200 mm	2	9.7	19
240 mm	12	28.2	338
Total Rocket Launchers			357

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Table 2 (Con't)

			<u>Thousand 1961 Dollars</u>
	<u>Number</u>	<u>Unit Cost a/</u>	<u>Value</u>
<u>Small Arms and Other Infantry Weapons</u>			
9 mm Stechkin Pistol	1,081	.06	65
7.62 Kalashnikov AK SMG	7,855	.10	786
7.62 RPK MG	162	.10	16
7.62 RP-46 MG	27	.59	16
7.62 SMG M-43 MG	130	.60	78
12.7 mm MG	150	1.21	182
40 mm RPG-2 AT	216	.05	11
Total Small Arms and Other Infantry Weapons			<u>1,154</u>
<u>Special Vehicles</u>			
Tank Retriever	36	107.0 d/	3,852
Mine Clearing Tank	3	107.0 d/	321
Bridge Laying Tank	5	107.0 d/	535
Amphib. MAV 69 (GAZ-46)	5	8.0	40
Amphib. ZIL-485 (BAV)	6	31.5	189
Amphib. K-61	12	43.7	524
Prime Mover AT-L	49	24.1	1,181
Prime Mover AT-S	10	34.8	348
Prime Mover AT-P	6	18.7	112
Prime Mover AT-T	2	53.5	107
Total Special Vehicles			<u>7,209</u>
	<u>Short Tons</u>	<u>Cost/Short Ton</u>	<u>Value</u>
<u>Ammunition</u>			
Artillery	825	2.33	1,922
Mortar	11	2.35	26
Rocket	132	3.10	409
Recoilless	18	4.75	86
Small Arms	197	2.68	528
Total Ammunition			<u>2,971</u>
<u>TOTAL LAND ARMAMENTS</u>			
			<u>86,050</u>

a. Unit cost includes initial spare parts.

b. Because no estimate has been made of the cost of the BTR-60p, this vehicle was included with the PT-76/BTR-50p.

c. For comparability this number includes the BRDM chassis (only) employed as vehicles for launching wire-guided missiles.

d. In lieu of preparing a detailed unit cost for this item, the unit cost of T-54 medium tank was used.

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